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(54) Title: CARDIAC ELECTRO-MECHANICS

(57) Abstract

A method of constructing a cardiac map of a heart having a heart cycle including bringing an invasive probe into contact with a location on a wall of the heart; determining, at at least two different phases of the heart cycle, a position of the invasive probe; and determining a local non-electrical physiological value at the location. The method is repeated for a plurality of locations in the heart. The positions are combined to form a time-dependent map of at least a portion of the heart and local relationships between changes in positions of the invasive probe and determined local non-electrical physiological values are determined. Preferably, local electrical activity at the plurality of locations is also acquired.

